



Jae-hwan SIM

YEAR OF PRACTICE

- 2000 ~ Present

ADMISSIONS / AFFILIATIONS

- Admitted to Patent Bar
- KPAA (Korean Patent Attorneys Association)

CONTACT

- ☎ + 82-2-6714-1097
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- 🌐 Korean / English

EDUCATIONAL BACKGROUND

- Yonsei University, BS in Radio Sciences and Engineering (2001)

TECHNICAL EXPERTISE

- **Semiconductor, Optical Communication, Wireless Communication Networks** (Physical layer/MAC layer/MIMO/Beamforming/OFDMA/SC-FDMA/COMP/CA/ICIC/PTP/D2D/Small cell/mm Wave/Massive MIMO/Network slicing/HetNet/Link Adaptation/H-ARQ/TDM/IoT), **MPEG** (Video Compression/Movement Compensation), **Network Security** (Encrypting/Decrypting Algorithm)

PROFESSIONAL EXPERIENCE

- Creating an application regarding HARQ
- Creating a written argument about MPEG (Video Compression/Movement Compensation)
- Creating a written opinion and handling trial regarding RF (Oscillator, Amplifier, PLL, Mixer, Antenna, Duplexer)
- Handling patent litigation for cancellation of a trial decision and opposition regarding Hand-off
- Handling patent litigation for cancellation of a trial decision regarding variable rate vocoder
- Handling patent opposition regarding encryption/decryption, location tracking, and UMTS channel allocation
- Handling patent litigation for cancellation of a trial decision and opposition regarding disk that read and record multimedia
- Creating a written argument and handling trial regarding CDMA (IS-95/CDMA2000) Signal Processing
- Creating a written argument and handling trial regarding WCDMA
- Handling patent trials and oppositions regarding WiBro/HSDPA
- Handling patent trials and oppositions regarding LTE (MIMO/OFDM/ICIC/CA/COMP/ Beamforming)
- Participating in the preparation team for injunction and infringement litigation regarding power control
- Advanced technology investigation and patent analysis for transmitting device that has a hollow profile
- Handling patent trials and oppositions regarding 5G (mmWave/Network slicing/Massive MIMO/ Small cell)

OTHERS

- Intellectual Property Rights Specialist in IT Sector of the Information and Communication Research Agency
- Lecture: Establishment and utility of BM patent, Examination Procedure (KR vs US), Allowability for various claim types in Korea, 3 Track Examination / Patent infringement and remedies thereto in Korea, Novelty issue in Korea (Comparison with US)